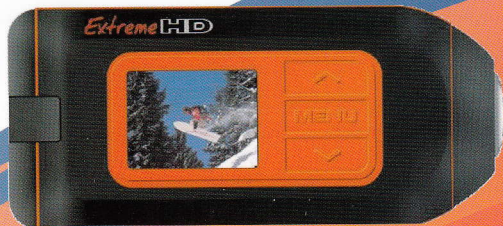


EAGLE EYE

Extreme **HD**

Pocket Mini HD Digital Video Recorder

USER MANUAL



WARNING

- Do not store the device in any place with following conditions:
 - High temperature (45C or higher)
 - Exposure to the direct sun rays or a heating device
 - Inside the car with closed windows (especially , in the summer)
 - Humid place such as the bathroom
 - When removing dust, use soft, dry cloth. Do not use organic solvents such as thinner or benzene or wet cloth
 - Do not place a debit card or a bus pass near the speakers. Magnetic interference may occur, which will damage the card.
 - Do not place the device near a magnet. The device may not work properly.
 - Do not repair, disassemble, or remodel the device.
 - Do not use the product in a place where use of electronic devices is prohibited.
 - Do not operate or set up this device while driving. If it is required to change set up, please do it after pulling over the car or before driving.
 - Do not heat up or short the main body or the battery
- When using an auxiliary device, leave a gap between the auxiliary device and the main device.
- Incorrect use of the product by the user or a third party or static electricity or electric shock loaded on the product may cause loss of or change in the data saved in the product during repair services or replacement of the battery.
 - Keep the device out of reach of children.
 - Waterproof Capability
 - The waterproof capability of this camera is similar as IPX6:
 - Please do not use the camera under water.

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Thank you for choosing the HD082 1080p Full HD 1080i Helmet DV to pursue your digital video adventures. Whether you are racing at the track, pedaling through the woods or gliding through fresh powder, to get the utmost satisfaction from your digital video, please take a moment to read this manual. It's contents will send you on an educational journey into your camera's multiple capabilities.

APPROVAL INFORMATION

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

FCC:

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

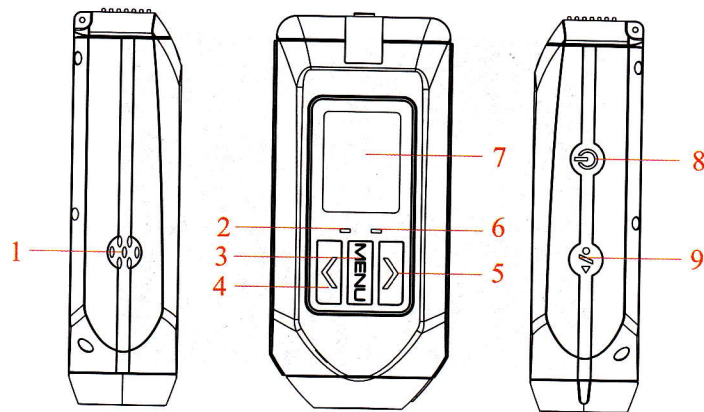
CE:

This product complies with standards including Low Voltage Device Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive 1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear CE mark.

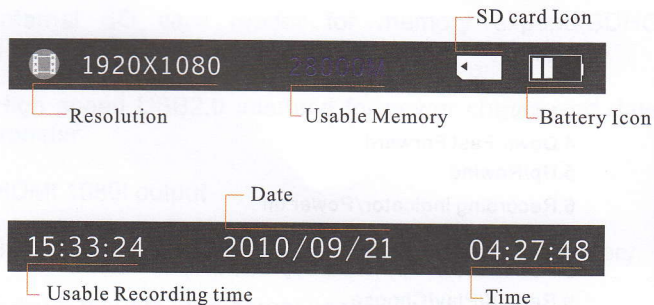
ABOUT THE MANUAL

We do our best to ensure all content and details contained within this manual are accurate and up to date with the product specifications at the time of printing this manual. However, product functions and specifications may change without notice. In the event that the manual information does not match the actual product functions or specifications, the products functions or specifications will be considered correct and the manual' I considered incorrect.

- 1.5inch TFT LCD(480X240)
- 5.0MP High definition CMOS image sensor
- 1080P H.264.MOV video recording format
- Waterproof function(Rain water level)
- Easy operation for recording and taking a picture
- Optional picture resolution(12M,8M,5M,3M)
- Video and Picture playback available
- Internal SD card reader for memory expand(SDHC 1GB~32GB available)
- High speed USB2.0 interface for power charge and date transfer
- HDMI 1080i output
- 3.7V 1300MA removable and rechargeable Li-ion battery
- Secure mounts for different use



- 1.MIC
- 2.Power charging indicator
- 3.MENU
- 4.Down/Fast Forward
- 5.Up/Rewind
- 6.Recording indicator/Power on
- 7.1.5inch LCD
- 8.Power ON/OFF,/Picture Capture/Quit/Confirm
- 9.Record/Play/Choose



3.Package Contents



HD082



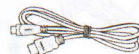
Manual



Disc



Power charger



HDMI Cable



USB Cable



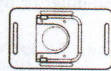
Battery



Head Strap



Universal Clip



Helmet Grip

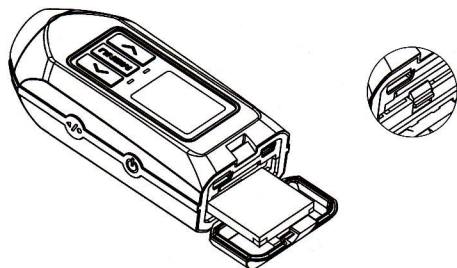


Goggle Mount



Handlebar Grip

1. Checking The Battery Status

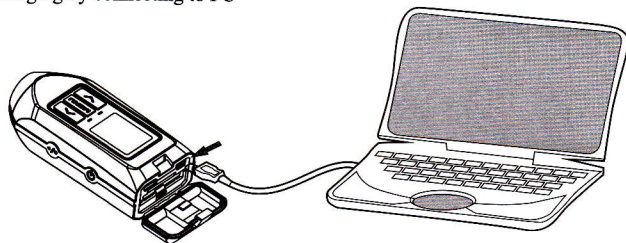


To install the battery, open the battery door by sliding the latch up(Latch is tight. You may need to use a coin).Insert battery and rotate locking tab as shown, Close and latch battery door fully before use.

1) Charging the battery

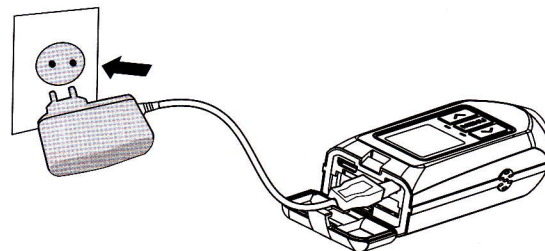
User can charge HD082 by connecting the USB cable to a computer or by using the AC Adaptor.

A. Charging by connecting to PC



Connecting to the PC with the camera off will charge the battery. Connecting to the PC with camera on will allow for data transfer.

B. Charging With AC/DC Adaptor







2). Battery Charging Time& Operating Time

Charging Time	Continuous play time	Recording time
Approx. 1hrs in Power on	Approx: 4 hours	Approx: 2 hours and 30 minutes (1080P)
Approx. 3hrs 30mins in Power Off		

When plugging or unplugging the AC/DC adaptor, turning off the unit is strongly recommended. The maker strongly recommends using a supplied AC/DC adaptor, but if it is necessary that another AC/DC adaptor is purchased separately at a shop, please check its electric specification is in accordance with HD082'S specification.

3). Battery Remaining Status

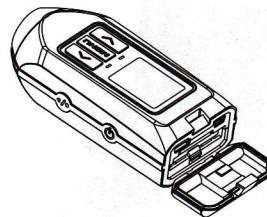
	Full Charge		Some Power Consumed
	Power almost drained		NO Power

To make sure the battery and power charger work as long as possible.

- *Do not leave unit plugged in for extended periods. Excessive power charging will reduce the battery working life and possibly damage the unit;*
- *The battery will gradually loose charge when not in use, always charge it prior to use.*
- *Please disconnect power when unit is not in use.*

For the first time usage, charge the battery at least 12 hours, Make sure power off when charging battery

1. Card Type and Capacity





A, The DV built in 13MB ROM memory is for system files only.

B, The DV built in SD card reader supports SD and SDHC cards up to 32GB.

Note: Some SD or SDHC cards may not work properly, SD/SDHC cards made by sandisk are Strongly recommended.

2. Checking the Memory:

User should check if the SD card is installed well before using the camera..

		Internal Memory
		External Memory(SD card)

Please install the SD/SDHC card correctly, the side With metal faces up, the side with character faces down.

Fixing the common gear wheel to the DV house



Mounting the gear wheel with Handlebar grip, Helmet grip or Goggle Mount



Some illustration for using



Rotate the lens -90 ~ +90 degree by different mounting desired.

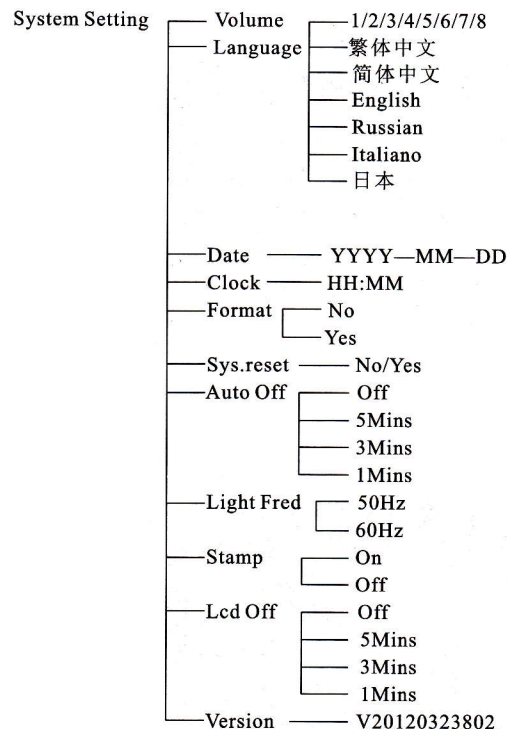
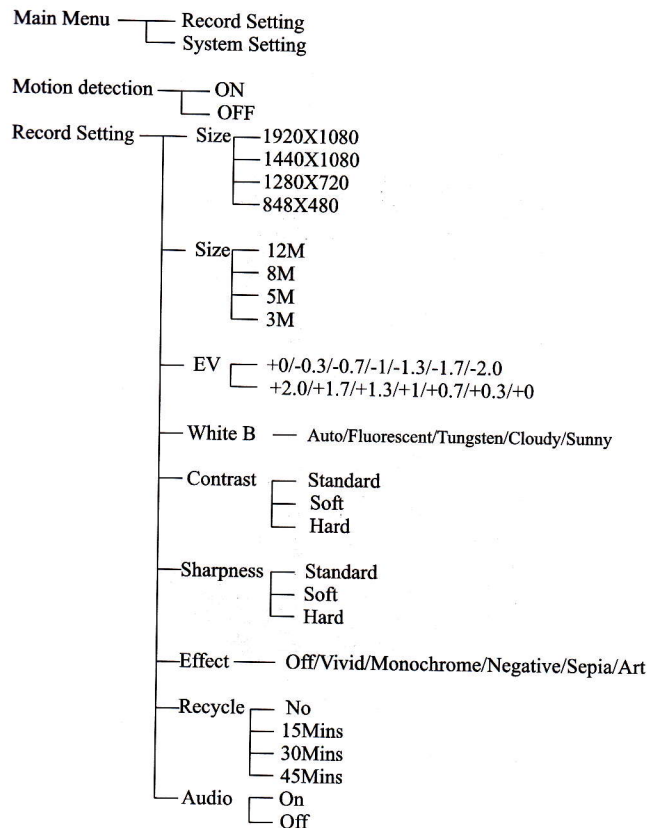


Rotate the lens 90 degree anticlockwise




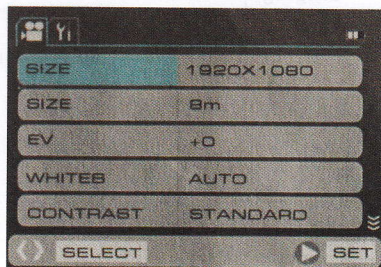
Notice:




The rotated range is from -90 ° to +90 ° ,rotate fiercely or overly may cause structure damage.



1. Record Setting

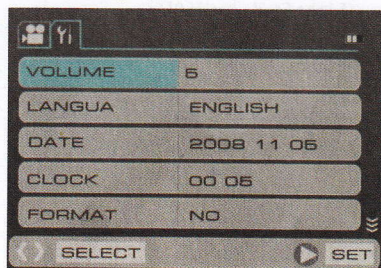
Press  to power on, then press **MENU** to enter the setting menu.






Use  and  to select menu, press  to change setting and press **MENU** save and quit.




2. System Setting

Press **MENU** to enter the record setting menu, then press **MENU** to switch to the "system setting" menu.





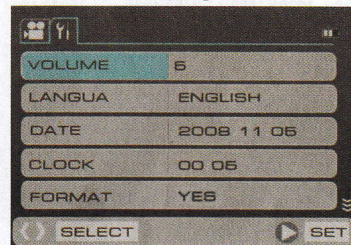
Use  and  to select menu, and press  to change the setting, then press **MENU** to save and quit.

3. Zoom function


Press the  button to boot into the screen, press the  or , the zoom function of the choice of;


4. Formatted, the system setting function

Menu choice, press the  button to select the formatting features YES, press  to confirm, the system set up similar;



5. Take picture and Record video

Short press  under monitor condition will take a picture, the red recording indicator will flash one time.

Short press  under monitor condition will start the video Recording. While recording, the red recording indicator will flash and the red REC icon will be displayed in the upper left corner of the screen. (Figure below)



Red indicator mean the camera is under recording condition,
00:03:29 is the recorded time





Estimated SD card recording time.



Below is the available recording time for video and pictures.(For reference only, real parameters shall control)

SD Card	1280X720P	1920X1080P	848X480P	2592X1944	3200X2400
8GB	200 min	120 min	320 min	3996 photos	3193photos
4GB	100 min	60 min	160 min	2386 photos	1565 photos
2GB	50 min	30 min	80 min	1148 photos	753 photos
1GB	25 min	15 min	40min	589 photos	386 photos


6.Video playback

A .Playback in the camera

Long press  to enter the playback condition, use  and  to select the files, short press  to play the files.

While playing the files, you could use  and  to do Fast Forward and Rewind.

Press **MENU** to stop playing and quit.








Long press  to quit playing back menu.

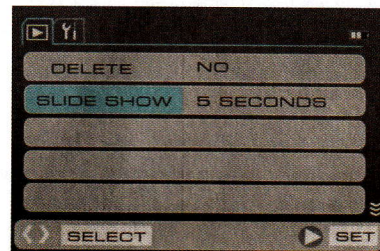
Video file display:

Picture file display:



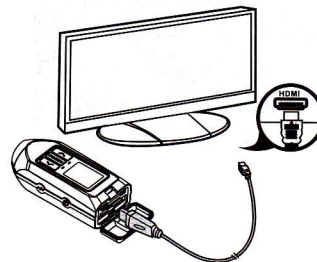
Slide show playback:







To review videos and pictures in slideshow mode, press **MENU** under playback condition, use  to select "SLIDE SHOW" menu, Press the  to select the slideshow mode, press  to Recognized and play, Press the  or to  stop the slide show, Stay in the current browser's file, press the  button to pause playback, press the **MENU** to select the menu function, Long press  to stop slide show and return to video mode.




B. TV playback(HDMI)

Connect the camera with TV by HDMI cable, power on the camera, switch the TV to the HDMI video channel.



Long press  to enter the playback condition under playback, condition, use  and  to select files, short press  to play the files. While playing the files, you could use  and  to do Fast Forward and Rewind.


Press **MENU** to stop playing and quit.

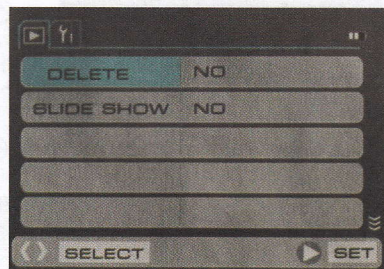
Long press  to quit playing back menu.


Attention:

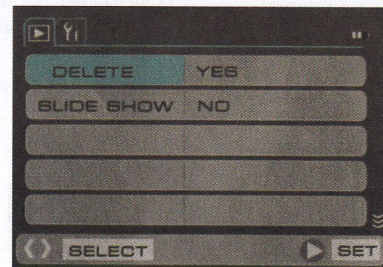
Output resolution is 1080i in playback mode and 480i in record mode. A 1080p HD TV is required to view the 1080i HD signal. The camera will recognize the TV system when connected.


C. Delete files

Under the playback condition, press  to switch out the delete menu and do the delete operation.(Figure below)



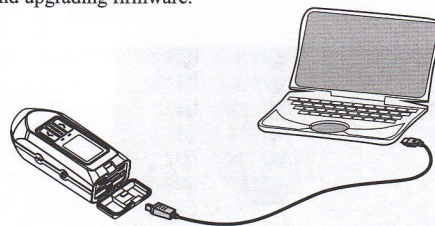
Press  to select YES or delete all.



Press  to confirm "delete" operation.

D. Connect with Computer

Connect HD082 to PC thru the provided USB cable for downloading or uploading filer and upgrading firmware.



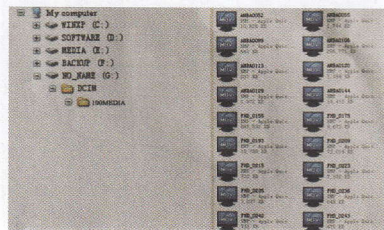
- 1.Connect the Camera with Computer by the USB cable.
- 2.Power on the camera.
- 3.The screen of the camera will display "USB connected".



Attention: User can not do any operation on the Camera after connected with the computer, only operation in computer available.

4.Open "My Computer" and navigate to the correct removable disk. (The disk may be called "NO_NAME" or it may be blank depending on your operating system).

Picture details:



5.Copy or move the files to your PC.

6.You can play video files using any . MOV compatible player installed on your computer.

Advise: Advise the user to use "KM player" media software to play the video files.



	SPEC		Detail &Support	Remark
H/W	Internal Storage Device		13MB	
	SD Card		1-32GB	Support SDHC 32GB
	LCD	Size	1.5inch	
		Resolution	480*240,TFT	
	Sensor	Optical Format	1/3.2inch(4:3)	
		Active Pixels	2592Hx1944V	
	Video	Output Ch	Mini-HDMI	TV/LCD Selectable
	Audio	Built-in MIC	YES	
		Output Ch	1Cj	
		Speaker	Mono	
	PC Interface	Mini-USB	USB2.0	High Speed
	Power	Battery	3.7V,1300mAH	Li-ion Polymer
		AC/DC Adaptor	DC 5V, \geq 500mA	
Size	Dimensions		117x53x32.7mm	
	Weight		133g	Battery installed
Other functions	Motion Record		YES	
	Timer Stamp		YES	
	LCD On/Off		YES	
	Slide Show		YES	
	Video/Audio Select		YES	
	Auto Power Off		YES	5min,3min,1min
	Image Thumbnail View		NO	
	Record Quality Select		YES	
	Support LCD Off to Recording		YES	
	Recording backup to low battery			
Recording	Video Recording	Video Fomat	NTSC/PAL	Video=Audio,Video
		Resolution	1920x1080 30fps 1280x720 30fps	
			848x480 60fps 640x320 60fps	
	Audio Rec.	Video& Audio Rec	YES	
Playback	Video	Resolution	1920x1080	848x480
			1280x720	640x480
		Frame Rate	Max.30fps	Max.60fps
		File Format	HD=H.264	
	PC Player	Playback speed	1/8,1/4,1/2,1,2,4,8	
		KM Player	Stored in the folder of HD082	Internet Download available